Washington State Building Code Council • Code Change Cycle 2006
2006 Uniform Plumbing Code Review Worksheet

Existing Amendments

	2003 Code Section	2006 Code Section	Title or Subject	Comments	TAG Recommendation	Committee Action
1	101.4.1.4	Same	Conflict between codes	Per 19.27.031, Mechanical Code takes precedence. (Proposed statewide amendment submitted for this section was withdrawn)	Retain amendment	
101.4.1.4 Conflict Between Codes. ~~When the requirements within the jurisdiction of this plumbing code conflict with the requirements of the mechanical code, this code shall prevail.~~Delete paragraph.						
2	103.1.3	Same	Licensing	Amended for consistency with L&I. Extraneous language has been removed in the 2006 edition	Retain amendment	
103.1.3 Licensing. ~~Provisions for licensing shall be determined by the Authority Having Jurisdiction~~ State rules and regulations concerning certification shall apply.						
3	Definitions		Certified backflow assembly tester	For consistency with DOH regulations	Retain amendment	
			Plumbing system	For consistency with L&I regulations and RCW 19.27.031	Retain amendment	
205.0 Certified Backflow Assembly Tester - A person ~~who has shown competence~~ certified by the Washington state department of health under chapter 246-292 WAC to inspect (for correct installation and approval status) and test (for proper operation) approved backflow assemblies. ~~to test and maintain backflow assemblies to the satisfaction of the Authority Having Jurisdiction.~~ **218.0 Plumbing System -** Includes all potable water, building supply and distribution pipes, all plumbing fixtures and traps, all drainage and vent pipe(s), and all building drains ~~and building sewers~~ including their respective joints and connection, devices, receptors, and appurtenances within the property lines of the premises and shall include potable water piping, potable water treating or using equipment, medical gas and medical vacuum systems, ~~liquid and fuel gas piping,~~ and water heaters ~~and vents for same~~: Provided, That no certification shall be required for the installation of a plumbing system within the property lines and outside a building.						

	2003 Code Section	2006 Code Section	Title or Subject	Comments	TAG Recommendation	Committee Action
4	301.1.3	Same	Standards	No change in 2006	Retain amendment	
	301.1.3 Standards. Standards listed or referred to in this chapter or other chapters cover materials which will conform to the requirements of this code, when used in accordance with the limitations imposed in this or other chapters thereof and their listing. Where a standard covers materials of various grades, weights, quality, or configurations, there may be only a portion of the listed standard which is applicable. Design and materials for special conditions or materials not provided for herein are allowed to be used by special permission of the authority having jurisdiction after the authority having jurisdiction has been satisfied as to their adequacy in accordance with Section 301.2. ~~A list of accepted plumbing materials standards is included in Table 14-1. All IAPMO Installation Standards are included in Appendix I for the convenience of the users of this code. They are not considered as a part of this code unless formally adopted as such by the Authority Having Jurisdiction.~~					
5	311.4	Same	Prohibited fittings or practices	No change in 2006; however appendix was renumbered	Retain amendment & update reference	
	311.4 Except as hereinafter provided in Sections 908.0, 909.0, 910.0, and Appendix L, Section L 6.0,7.0 and 8.0, no vent pipe shall be used as a soil or waste pipe, nor shall any soil or waste pipe be used as a vent.					
6	313.6	Same	Freeze protection	No change in 2006 Amendment coordinates with Energy Code	Retain amendment	
	313.6 No water, soil, or waste pipe shall be installed or permitted outside of a building or in an exterior wall unless, where necessary, adequate provision is made to protect such pipe from freezing. All hot and cold water pipes installed outside the conditioned space shall be insulated to a minimum R-3.					
7	313.7	Same	Penetrations	No change in 2006	Retain amendment	
	313.7 ~~All piping penetrations of fire-resistance-rated walls, partitions, floors, floor/ceiling assemblies, roof/ceiling assemblies, or shaft enclosures shall be protected in accordance with the requirements of the Building Code, IAPMO Installation Standards, and Chapter 15, "Firestop Protection."~~ All pipe penetrating floor/ceiling assemblies and fire-resistance rated walls or partitions shall be protected in accordance with the requirements of the building code.					
8	314.5.1	Deleted	Seismic bracing	Section deleted in 2006 edition.	Delete amendment	
	~~**314.5.1** In Seismic ((Zones 3 and 4))Design Categories C, D, E and F hubless cast iron piping in sizes 5 inches and larger suspended in exposed locations over public or high traffic areas, pipe over 4 feet in length shall be provided with support on both sides of the coupling.~~					
9	402	Same	Water conserving fixtures and fittings	Statutory requirements/language from RCW 19.27.170 substituted	Retain amendment	

	2003 Code Section	2006 Code Section	Title or Subject	Comments	TAG Recommendation	Committee Action
10	412.2	411.2	Location of floor drains	No change in 2006	Retain and renumber	

411.2~~412.2~~ Location of Floor Drains. Floor drains shall be installed in the following areas:

411.2.1~~412.2.1~~ Toilet rooms containing two (2) or more water closets or a combination of one (1) water closet and one (1) urinal, except in a dwelling unit. The floor shall slope toward the floor drains.

~~411.2.2 Commercial kitchens~~

411.2.2~~412.2.((3))~~2 Laundry rooms in commercial buildings and common laundry facilities in multifamily dwelling buildings.

11	413	412	Min number of fixtures	Fixture count through IBC	Retain and renumber	

412.0~~413.0~~ Minimum Number of Required Fixtures. ~~For minimum number of plumbing fixtures required, see Building Code chapter 29 and Table 2902.1.~~

Sections 412.1~~413.1~~ through 412.7~~413.7~~ and Table 4-1 are not adopted.

12	501.0	Same	General	Mechanical code has precedence over vents and chimneys	Retain amendment	

501.0 General. The regulations of this chapter shall govern the construction, location, and installation of fuel burning and other water heaters heating potable water~~, together with all chimneys, vents, and their connectors~~. The minimum capacity for water heaters shall be in accordance with the first hour rating listed in Table 5-1. See the Mechanical Code for combustion air and installation of all vents and their connectors. All design, construction, and workmanship shall be in conformity with accepted engineering practices, manufacturer's installation instructions, and applicable standards and shall be of such character as to secure the results sought to be obtained by this Code. No water heater shall be hereinafter installed which does not comply in all respects with the type and model of each size thereof approved by the authority having jurisdiction. A list of accepted gas equipment standards is included in Table 14-1.

13	Table 5-1	Same	First Hour Rating	No changes in 2006 Amendment adds note 3	Retain amendment	

TABLE 5-1[1,3]

Number of Bathrooms	**1 to 1.5**			**2 to 2.5**				**3 to 3.5**			
Number of Bedrooms	1	2	3	2	3	4	5	3	4	5	6
First Hour Rating[2], Gallons	42	54	54	54	67	67	80	67	80	80	80

Notes: [1]The first hour rating is found on the "Energy Guide" label.
[2]Nonstorage and solar water heaters shall be sized to meet the appropriate first hour rating as shown in the table.
[3]For replacement water heaters, see Section 101.4.1.1.1.

	2003 Code Section	2006 Code Section	Title or Subject	Comments	TAG Recommendation	Committee Action
14	502	Same	Definitions	Indirect fired water heater added in 2006. Mechanical Code takes precedence for these definition	Retain and renumber	
502.2 Chimney – Delete definition. **502.3 Chimney, Factory-Built –** Delete definition. **502.4 Chimney, Masonry –** Delete definition. **502.5 Chimney, Metal –** Delete definition. **502.7 Direct Vent Appliance –** Delete definition. **502.8 Flue Collar –** Delete definition. **502.9 Gas Vent, Type B –** Delete definition. **502.10 Gas Vent, Type L –** Delete definition. **502.~~11~~12 Vent –** Delete definition. **502.~~12~~13 Vent Connector –** Delete definition. **502.~~13~~14 Venting System –** Delete definition.						
15	504.1	Same	Inspection of chimneys and vents	Refers user to Mechanical Code	Retain amendment	
504.1 Inspection of Chimneys or Vents. Delete Paragraph. ~~This inspection shall be made after all chimneys, vents, or parts thereof, authorized by the permit, have been installed and before any such vent or part thereof has been covered or concealed.~~						
16	505.1	Same	Prohibited locations	Section was significantly amended in 2006 edition and now matches requirements in amendment; reference to Section 507.4 for combustion air should be modified since IMC takes precedence	Modify amendment	
~~**505.1 Prohibited Locations.** Water heaters which depend on the combustion of fuel for heat shall not be installed in a room used or designed to be used for sleeping purposes, bathroom, clothes closets or in a closet or other confined space opening into a bath or bedroom.~~ ~~EXCEPTIONS:1. Direct vent water heaters.~~ ~~2. Water heaters installed in a closet that has a weather-stripped solid door with an approved door closing device, and designed exclusively for the water heater and where all air for combustion and ventilation is supplied from the outdoors.~~ ~~3. Water heaters of the automatic storage type installed as a replacement in a bathroom, when specifically approved, properly vented and supplied with adequate combustion air.~~ ~~Where not prohibited by other regulations, water heaters may be located under a stairway or landing.~~ 505.1 **Location**. Water heater installations in bedrooms and bathrooms shall comply with one of the following: 1. Fuel-burning water heaters may be installed in a closet located in the bedroom or bathroom provided the closet is equipped with a listed, gasketed door assembly and a listed self-closing device. The self-closing door assembly shall meet the requirements of Section 505.1.1. The door assembly shall be installed with a threshold and bottom door seal and shall meet the requirements of Section 505.1.2. All combustion air for such installations shall be obtained from the outdoors in accordance with ~~Section 507.4~~ the International Mechanical Code. The closet shall be for the exclusive use of the water heater. 2. Water heater shall be of the direct vent type.						

	2003 Code Section	2006 Code Section	Title or Subject	Comments	TAG Recommendation	Committee Action
17	506.2	Same	WH other than gas	For consistency with L&I regulations	Retain amendment	
	506.2 All storage-type water heaters ~~and hot water boilers~~ deriving heat from fuels or types of energy other than gas, shall be provided with, in addition to the primary temperature controls, an over-temperature safety protection device constructed, listed, and installed in accordance with nationally recognized applicable standards for such devices and a combination temperature and pressure relief valve.					
18	507.0	Same	Combustion air	Refers user to Mechanical Code	Retain amendment	
	507.0 Combustion Air. For issues relating to combustion air, see the Mechanical Code. Sections 507.1 through 507.10 are not adopted.					
19	508	Same	Other requirements	Various sections in conflict with mechanical code are deleted	Retain amendment	
	Sections 508.6 through 508.9 are not adopted. 508.12 Delete entire section. 508.18 Venting of Flue Gases - Delete entire section. Sections 508.20 through 508.24.5 are not adopted.					
20	509 (new section)	Same	Access and working space (Equipment on roofs is deleted)	Section was amended in 2006 and now reflects state requirements	Delete amendment	
	~~**509.0 Access and Working Space.**~~ ~~**509.1** Every water heater installation shall be accessible for inspection, repair, or replacement. The appliance space shall be provided with an opening or doorway of sufficient size to remove the water heater. In no case shall such opening or doorway be less than 24 inches in width. Such access shall be continuous and shall be one or any combination of the following means:~~ ~~(1) By an opening or door, and passageway not less than 2 feet in width and large enough to permit removal of the water heater, but not less than 30 inches in height. Stairways and ramps leading to or part of such passageways shall comply with the building code.~~ ~~**(2) Every attic, roof, mezzanine, or platform more than 8 feet above the ground or floor level shall be made accessible by a stairway or ladder permanently fastened to the building. Such a ladder or stairway shall not be more than 18 feet in length between landings and not less than 14 inches in width. Such a ladder shall have rungs spaced not more than 14 inches center to center and not less than 6 inches from the face of the wall. Each stile is to extend 30 inches above the surface to be reached, or as high as possible, if height is limited. Permanent ladders for water heater access need not be provided at parapets or walls less than 30 inches in height.**~~ ~~EXCEPTION: A portable ladder may be used for access for water heaters in attics on the single story portion of a Group R or U Occupancy.~~ ~~(3) By a trap door or opening and passageway not less than 30 inches by 30 inches, but in no case smaller than the water heater. The passageway shall be continuous from the trap door or opening to the water heater. The trap door or opening shall be located not more than 20 feet from the water heater.~~ ~~**(4) Every passageway to an attic water heater shall have an unobstructed solid continuous flooring not less than 24 inches wide from the trap door or opening to the water heater. If the trap door or opening is more than 8 feet above the floor, a stairway or ladder permanently fastened to the building shall be provided. Such stairway or ladder shall lead directly to the edge of the trap door or opening and shall comply with the provisions of this section.**~~					

~~EXCEPTION: A portable ladder may be used for access for water heaters in attics on the single-story portion of a Group R or U Occupancy.~~

~~(5) By an unobstructed catwalk not less than 24 inches wide. Access to the catwalk shall be by ladder or stairs complying with the provisions of this section.~~

~~**509.2** Attic and underfloor water heater locations shall be provided with an electric outlet and lighting fixture at or near the water heater. The lighting fixture shall be controlled by a switch located adjacent to the opening or trap door.~~

~~**509.3** An unobstructed solidly floored working surface not less than 30 inches in depth and width shall be provided immediately in front of the firebox access opening. A door opening into such space shall not be considered an obstruction.~~

~~Sections 509.3.1 through 509.3.4 are not adopted.~~

NEW 2006 language: ***509.4 Appliances in Attics. 509.4.1 Attic Access****. An attic in which an appliance is installed shall be accessible through an opening and passageway at least as large as the largest component of the appliance, and not less than 22 inches x 30 inches.* ***509.4.2*** *Where the height of the passageway is less than 6 feet, the distance from the passageway access to the appliance shall not exceed 20 feet measured along the centerline of the passageway.* ***509.4.3*** *The passageway shall be unobstructed and shall have solid flooring not less than 24 inches wide from the entrance opening to the appliance.* ***509.4.4 Work Platform.*** *A level working platform not less than 30 inches by 30 inches shall be provided in front of the service side of the appliance.* ***509.4.5 Lighting and Convenience Outlet****. A permanent 120-volt receptacle outlet and a lighting fixture shall be installed near the appliance. The switch controlling the lighting fixture shall be located at the entrance to the passageway.*

21	510 - 512	Same	Venting of Equipment	Mechanical Code has precedence over venting requirements	Retain amendment	

510.0 Venting of Equipment. **Delete entire section.**
511.0 Sizing of Category I Venting Systems. Delete entire section
512.0 Direct Vent Equipment. Delete entire section.
Chapter 5, Part II is not adopted.

22	603.0	Same	Cross connection control	Consistency with DOH regulations	Retain amendment	

603.0 Cross-Connection Control. Cross-connection control shall be provided in accordance with the provisions of this chapter. Devices or assemblies for protection of the public water system must be models approved by the Department of Health under WAC 246-290-490. The Authority Having Jurisdiction shall coordinate with the local water purveyor where applicable in all matters concerning cross-connection control within the property lines of the premises.

No person shall install any water operated equipment or mechanism, or use any water treating chemical or substance, if it is found that such equipment, mechanism, chemical or substance may cause pollution or contamination of the domestic water supply. Such equipment or mechanism may be permitted only when equipped with an approved backflow prevention device or assembly.

23	603.3.3	Same	Backflow assembly testing requirements	Proposed statewide amendment submitted for this section	Retain amendment	

603.3.3 ~~The premise owner or responsible person shall have the backflow prevention assembly tested by a certified backflow assembly tester at the time of installation, repair, or relocation and at least on an annual schedule thereafter or more often when required by the AHJ. The periodic testing shall be performed in accordance with the procedures referenced in Table 14-1 by a tester qualified in accordance with those standards~~. For devices and assemblies other than those regulated by the Washington Department of Health in conjunction with the local water purveyor for the protection of public water systems, the Authority Having Jurisdiction shall ensure that the premise owner or responsible person shall have the backflow prevention assembly tested by a Washington State Department of Health certified backflow assembly tester:

1. At the time of installation, repair, or relocation; and
2. At least on an annual schedule thereafter, unless more frequent testing is required by the Authority Having Jurisdiction.

	2003 Code Section	2006 Code Section	Title or Subject	Comments	TAG Recommendation	Committee Action
24	603.4.6.1	Same	Protection from lawn sprinklers and irrigation systems	2006 edition adds spill resistant pressure vacuum breaker	Revise and retain	
	603.4.6.1 Potable water supplies to systems having no pumps or connections for pumping equipment, and no chemical injection or provisions for chemical injection, shall be protected from backflow by one of the following devices: **1. Atmospheric vacuum breaker** **2. Pressure vacuum breaker** **3. Spill-resistant pressure vacuum breaker** ***(New 2006 language)*** **~~4~~3. Reduced pressure backflow preventer** ~~5~~4. A double check valve may be allowed when approved by the water purveyor and the Authority Having Jurisdiction. ~~5. A spill proof pressure vacuum breaker may be allowed when approved by the water purveyor and the Authority Having Jurisdiction.~~					
25	603.4.11	603.4.10	Make up connection to boiler	Unchanged in 2006	Retain and renumber	
	603.4.10~~11~~ Potable water make up connections to steam or hot water boilers shall be ~~provided with a listed backflow protection assembly~~ protected by an air gap or reduced pressure principle backflow preventer.					
26	603.4.13	603.4.12	Potable water supply to carbonators	Unchanged in 2006	Retain and renumber	
	603.4.12~~13~~ Potable Water Supply to Carbonators shall be protected by ~~either an airgap or a vented backflow preventer for carbonated beverage dispensers installed within the carbonated beverage dispenser. The carbonated beverage dispenser shall bear the label of an approved testing agency, certifying and attesting that such equipment has been tested and inspected and meets the requirements of the approved applicable standard. Carbonated beverage dispensers without an approved internal airgap or vented backflow preventer for carbonated beverage dispensers and carbonated beverage dispensing systems shall have the water supply protected with a vented backflow preventer for carbonated beverage dispensers.~~ a listed reduced pressure principle backflow preventer as approved by the Authority Having Jurisdiction for the specific use.					
27	603.4.18.1	603.4.16.1	Fire sprinkler protection	Unchanged in 2006	Retain and renumber	
	603.4.16~~18~~.1 **Except as provided under Sections 603.4.16~~18~~.2 and 603.4.16~~18~~.3, potable water supplies to fire protection systems that are normally under pressure, including but not limited to standpipes and automatic sprinkler systems, except in one or two family residential flow-through or combination sprinkler systems piped in materials approved for potable water distribution systems, shall be protected from back-pressure and back-siphonage by one of the following testable devices:** **1. Double check valve assembly** **2. Double check detector assembly** **3. Reduced pressure backflow preventer** **4. Reduced pressure detector assembly** Potable water supplies to fire protection systems that are not normally under pressure shall be protected from backflow and shall meet the requirements of the appropriate standard(s) referenced in Table 14-1.					

	2003 Code Section	2006 Code Section	Title or Subject	Comments	TAG Recommendation	Committee Action
28	604.1	Same	Materials	Significantly amended in 2006—a new table is added. No longer prohibits plastic terminating inside a building	Delete amendment	

~~**604.1** Water distribution pipe, building supply water pipe and fittings shall be of brass, copper, cast iron, CPVC, galvanized malleable iron, galvanized wrought iron, galvanized steel, PEX or other approved materials. Except as provided in Section 604.14, asbestos-cement, PE, PVC, PEX-AL-PEX or PE-AL-PE water pipe manufactured to recognized standards may be used for cold water building supply distribution systems outside a building. PEX-AL-PEX water pipe, tubing, and fittings, manufactured to recognized standards may be used for hot and cold water distribution systems within a building. Other products not listed in this section are acceptable for their intended use, provided that such materials or distribution systems are listed and approved in accordance with nationally recognized standards. All materials used in the water supply system, except valves and similar devices shall be of like material, except where otherwise approved by the Authority Having Jurisdiction.~~

NEW 2006 language: ***604.1*** *All pipe, tube, and fittings carrying water used in potable water systems intended to supply drinking water shall meet the requirements of NSF 61 as found in Table 14-1. All materials used in the water supply system, except valves and similar devices, shall be of a like material, except where otherwise approved by the Authority Having Jurisdiction. Materials for building water piping and building supply piping shall be in accordance with Table 6-4 and the standards in Table 14-1.*

Table 6-4

Material	*Water Distribution*		*Building Supply*
	Hot	*Cold*	
Asbestos – Cement			*X*
Brass	*X*	*X*	*X*
Copper	*X*	*X*	*X*
Cast Iron	*X*	*X*	*X*
CPVC	*X*	*X*	*X*
Galvanized Malleable Iron	*X*	*X*	*X*
Galvanized Wrought Iron	*X*	*X*	*X*
Galvanized Steel	*X*	*X*	*X*
PE			*X*
PE-AL-PE	*X*	*X*	*X*
PEX	*X*	*X*	*X*
PEX-AL-PEX	*X*	*X*	*X*
PVC			*X*

29	604.14 (new section)	604.15	Plastic water service termination inside a structure	State amendment adds new section specifically allowing termination inside a building	Retain and renumber	

604.1514 Plastic water piping may terminate within a building, provided the connection to the potable water distribution system shall be made as near as is practical to the point of entry and shall be accessible. Barbed insert fittings with hose clamps are prohibited within the building.

	2003 Code Section	2006 Code Section	Title or Subject	Comments	TAG Recommendation	Committee Action
30	608.5	Same	Relief lines	2006 adds provision – shall not terminate in crawlspace	Revise and retain	
608.5 Relief valves located inside a building shall be provided with a drain, not smaller than the relief valve outlet, of galvanized steel, hard drawn copper piping and fittings, CPVC, or listed relief valve drain tube with fittings which will not reduce the internal bore of the pipe or tubing (straight lengths as opposed to coils) and shall extend from the valve to the outside of the building with the end of the pipe not more than two (2) feet (610 mm) nor less than six (6) inches (152 mm) above the ground or the flood level of the area receiving the discharge and pointing downward. Such drains may terminate at other approved locations. *Relief valve drains shall not terminate in a building's crawlspace.* No part of such drain pipe shall be trapped and the terminal end of the drain pipe shall not be threaded. **Exception:** Replacement water heating equipment shall only be required to provide a drain pointing downward from the relief valve to extend between two feet (610 mm) and six inches (152 mm) from the floor. No additional floor drain need be provided.						
31	609.10.2	609.10.1	Mechanical devices	2006 language exactly the same as state amendment	Delete amendment	
~~**609.10.2 Mechanical Devices**. When listed mechanical devices are used, the manufacturer's specifications as to location and method of installation shall be followed. ((Such mechanical devices shall be accessible.))~~						
32	610.4	Same	Size of potable water piping	Unchanged in 2006	Retain amendment	
610.4 Systems within the range of Table 6-5 may be sized from that table or by the method set forth in Section 610.5. Listed parallel water distribution systems shall be installed in accordance with their listing~~, but at no time shall any portion of the system exceed the maximum velocities allowed by the code~~.						
33	701.1.2	Same	Materials	Deletes ref to Ch 15	Retain amendment	
701.1.2 ABS and PVC DWV piping installations shall be installed in accordance with IS 5 and IS 9 and ~~Chapter 15~~. Except for individual single family dwelling units, materials exposed within ducts or plenums shall have a flame-spread index of not more than 25 and a smoke-developed index of not more than 50, when tested in accordance with the Test for Surface-Burning Characteristics of the Building Materials (see the Building Code standards based on ASTM E-84 and ANSI/UL 723).						
34	704.3	Same	Fixture connections	Proposed statewide amendment submitted for this section—TAG recommends new proposal AS	See 06-059 for new recommended language	
704.3 Delete paragraph. ~~Pot sinks, scullery sinks, dishwashing sinks, silverware sinks, commercial dishwashing machines, silverware-washing machines, and other similar fixtures shall be connected directly to the drainage system. A floor drain shall be provided adjacent to the fixture, and the fixture shall be connected on the sewer side of the floor drain trap, provided that no other drainage line is connected between the floor drain waste connection and the fixture drain. The fixture and floor drain shall be trapped and vented as required by this code.~~						

	2003 Code Section	2006 Code Section	Title or Subject	Comments	TAG Recommendation	Committee Action
35	710.3	Same	Sewage ejector/pump	Unchanged in 2006	Retain amendment	
710.3 The minimum size of any pump or any discharge pipe from a sump having a water closet connected thereto shall be not less than 2 inches Sections 710.3.1 through 710.3.3 are not adopted.						
36	713-723	Same	Building sewers	Not adopted per RCW 19.27.031(4)	Retain amendment	
Part II Building Sewers. Delete all of Part II, Sections 713 to 723, and Tables 7-7 and 7-8.						
37	810.4	Same	Strainers	Replaces "beehive strainer" with "dome strainer"	Delete amendment	
810.4 Strainers. Every indirect waste interceptor receiving discharge containing particles that would clog the receptor drain shall have a readily removable dome ((beehive)) strainer.						
38	903.1.2	Same	Materials	Deletes reference to Ch 15	Retain amendment	
903.1.2 ABS and PVC DWV piping installations shall be installed in accordance with IS 5 and IS 9 and Chapter 15. Except for individual single family dwelling units, materials exposed within ducts or plenums shall have a flame-spread index of not more than 25 and a smoke developed index of not more than 50, when tested in accordance with the Test for Surface-Burning Characteristics of the Building Materials (See the Building Code standards based on ASTM E-84 and ANSI/UL 723).						
39	1101.3	Same	Material uses	2006 adds stainless steel	Revise to delete only ref to Ch 15 and retain	
1101.3 Material Uses. Rainwater piping placed within the interior of a building or run within a vent or shaft shall be of cast iron, galvanized steel, wrought iron, brass, copper, lead, Schedule 40 ABS DWV, Schedule 40 PVC DWV, or other approved materials, and changes in direction shall conform to the requirements of Section 706.0. ABS and PVC DWV piping installations shall be installed in accordance with IS 5, and IS9, and Chapter 15. Except for individual single-family dwelling units, materials exposed within ducts or plenums shall have a flame spread index of not more than 25 and a smoke-developed index of not more than 50, when tested in accordance with the Test for Surface-Burning Characteristics of the Building Materials.						
40	1101.12	Same	Cleanouts	Adds text from chapter 7 (which is not adopted per RCW 19.27.031(4))	Retain amendment	
1101.12.0 Cleanouts. **1101.12.1** Cleanouts for building storm drains shall comply with the requirements of Section 719.0 of this codeof this Section. 1101.12.2 Rain leaders and conductors connected to a building storm sewer shall have a cleanout installed at the base of the outside leader or outside conductor before it connects to the horizontal drain. Cleanouts shall be placed inside the building near the connection between the building drain and the building sewer or installed outside the building at the lower end of the building drain and extended to grade. **1101.12.2** Each cleanout shall be installed so that it opens to allow cleaning in the direction of flow of the soil or waste or at right angles thereto, and except in the case of wye branch and end-of-line cleanouts, shall be installed vertically above the flow line of the pipe. **1101.12.3** Cleanouts installed under concrete or asphalt paving shall be made accessible by yard boxes, or extending flush with paving with approved						

	materials and be adequately protected. **1101.12.4** Approved manholes may be installed in lieu of cleanouts when first approved by the Authority Having Jurisdiction. The maximum distance between manholes shall not exceed three hundred (300) feet (91.4 m). The inlet and outlet connections shall be made by the use of a flexible compression joint no closer than twelve (12) inches (305 mm) to, and not farther than three (3) feet (914 mm) from the manhole. No flexible compression joints shall be embedded in the manhole base.					
41	1108.0	Same	Controlled flow roof drainage	Deleted via amendment	Retain amendment	
	1108.0 Controlled-Flow Roof Drainage. This section is not adopted.					
42	1309.1	Same	Scope	Unchanged in 2006	Retain amendment	
	1309.1 The provisions herein shall apply to the design, installation, testing and verification of medical gas, ~~and vacuum piping~~ medical vacuum systems, and related permanent equipment in hospitals, clinics, and other health care facilities.					
43	1309.2	Same	Purpose	Unchanged in 2006	Retain amendment	
	1309.2 The purpose of this chapter is to provide minimum requirements for the design, installation, testing and verification of medical gas, medical vacuum systems, and related permanent equipment, from the central supply system to the station outlets or inlets.					
44	1313.3	Same	Minimum station outlets/inlets	Revised for consistency with DOH regulations	Revise to update DOH WAC	
	313.3 Minimum Station Outlets/Inlets. Station outlets and inlets for medical gas and medical vacuum systems shall be provided as listed in WAC 246-320-~~525~~.					
45	1331.0	1328.0	System verification	Systems are verified, not certified	Retain and renumber	
	1328~~1331~~.0 System ~~Certification~~ Verification. **1328~~1331~~.1** Prior to any medical gas system being placed in service, each and every system shall be ~~certified~~ verified as described in Section 1331.2. **1328~~1331~~.1.1** Verification tests shall be performed only after all tests required in Section 1329.0, Installer Performed Tests, have been completed. Testing shall be conducted by a party technically competent and experienced in the field of medical gas and vacuum pipeline testing and meeting the requirements of ANSI/ASSE Standard 6030, Medical Gas Verifiers Processional Qualifications Standard. Testing shall be performed by a party other than the installing contractor or material vendor. **When systems have been installed by in-house personnel, testing shall be permitted by personnel of that organization who meet the requirements of this section.**					
46	Ch 14	Same	Referenced standards	Delete “Mandatory”; Add backflow testing standard	Retain. Also update NFPA 99, 99C to 2005 editions	
	CHAPTER 14: ~~MANDATORY~~ REFERENCED STANDARDS					

	Standard Number		Standard Title		Application	
	WAC 246-290-490		Washington State Department of Health Cross Connection Control Requirements		Backflow Protection	
	NFPA 99-~~2002~~2005		Health Care Facilities		Piping	
	NFPA 99C-~~2002~~2005		Gas and Vacuum Systems		Piping	
47	IS 7-90, 604.1	IS 7-03, 2.6.1	Polyethylene cold water supply—location	Updated standard—only numbering changed in this section	Retain and renumber	
	2.6.1~~604.1~~ Location. **Polyethylene piping ~~shall be installed only outside the foundation of any building or structure or parts thereof~~ may terminate within a building or structure. The connection to the potable water distribution system shall be accessible, except that it may be buried underground outside of the building or structure in an accessible location. Barbed insert fittings with hose clamps are prohibited within a building. ~~It shall be buried in the ground for its entire length, except that vertical piping may be extended above grade per Section 313.3. It shall not be installed within or under any building, structure, mobile home, commercial coach, or parts thereof. The term building or structure or parts thereof shall include structures such as porches and steps, whether covered or uncovered, roofed porte cocheres, roofed patios, carports, covered walks, covered driveways, and similar structures or appurtenances.~~**					
48	IS 8-95, 604.1	IS 8-03, 2.7.1	PCV cold water supply—location	Updated standard—only numbering changed in this section	Retain and renumber	
	2.7.1~~604.1~~ Location. PVC piping may terminate within a building or structure. The connection to the potable water distribution system shall be accessible, except that it may be buried underground outside of the building or structure in an accessible location. ~~shall be installed only outside the foundation of any building, or structure, or parts thereof. It shall be buried in the ground for its entire length, except that vertical piping may be extended above grade per Section 313.4. It shall not be installed within or under any building or structure, mobile home, commercial coach, or parts thereof. The term building or structure or parts thereof shall include structures such as porches and steps, whether roofed or not, roofed porte cocheres, roofed patios, carports, covered walks, covered driveways and similar structures or appurtenances.~~					
49	IS 20-00, 301.1.1	IS 20-05, 2.1.2	CPVC solvent-cemented water distribution systems--materials	The 2006 edition code change included the provision for one-step solvent cement but did not delete the requirement for test data. Delete note portion only of the section by statewide amendment and accept the remainder of the code change	Revise and renumber	
	2.1.2 Primer. Listed primers shall be used that are compatible with the type of listed CPVC cement and pipe used. The primer shall be a true solvent for CPVC, containing no slow drying ingredient. Cleaners shall not be allowed to be used as a substitute or equivalent for a listed primer. **Exception:** Listed solvent cements that do not require the use of primer shall be permitted for use with CPVC pipe and fittings, manufactured in accordance with ASTM D2845 (½ in. – 2 in.). ***~~Note: Manufacturer shall provide test data from an independent testing laboratory acceptable to the Administrative Authority that their CPVC pipe, together with recommended fittings, has a short term working pressure (STWP) and temperature rating of 150 psi (1030 kPa) at 210°F (99°C) for 48 hours or more.~~***					

New Amendments Recommended

2003 Code Section	2006 Code Section	Title or Subject	Comments	TAG Recommendation	Committee Action
Definitions		Hot Water	Defining "hot water" causes problems—possible conflicts with the building code and energy code	**Delete definition**	
210.0 Hot Water ~~– Water at a temperature greater than or equal to 120°F.~~ This definition is not adopted.					
603.1	603.1	Testing requirements for backflow assemblies	2006 adds mandatory language on testing of backflow assemblies and devices. Should be amended for consistency with 603.3.3	**New Amendment:** (see below)	
603.1 Approval of Devices or Assemblies. Before any device or assembly is installed for the prevention of backflow, it shall have first been approved by the Authority Having Jurisdiction. Devices or assemblies shall be tested for conformity with recognized standards or other standards acceptable to the Authority Having Jurisdiction that are consistent with the intent of this code. All devices or assemblies installed in a portable water supply system for protection against backflow shall be maintained in good working condition by the person or persons having control of such devices or assemblies. Such devices or assemblies shall be tested ~~at the time of installation, repair, or relocation and at least on an annual schedule thereafter, or more often when required by the Authority Having Jurisdiction~~ in accordance with Section 603.3.3 and WAC 246-290-490. If found to be defective or inoperative, the device or assembly shall be repaired or replaced. No device or assembly shall be removed from use or relocated or other device or assembly substituted, without the approval of the Authority Having Jurisdiction. Testing shall be performed by a Washington State Department of Health certified backflow assembly tester.					
NA	908.4	Bathroom wet venting	New option for horizontal wet venting in bathrooms only. Language should be amended for consistency with I-codes.	**New amendment:** (see below)	
908.4.1 Where permitted. Any combination of fixtures within one (1) or two (2) bathrooms located on the same floor level ~~in dwellings and guest rooms~~ and serving dwelling units or sleeping units shall be permitted to be vented by a wet vent. The wet vent shall be considered the vent for the fixtures and shall extend from the connection of the dry vent along the direction of the flow in the drain pipe to the most downstream fixture drain connection to the horizontal branch drain. Only the fixtures within the bathroom(s) shall connect to the wet-vented horizontal branch drain. Any additional fixtures shall discharge downstream of the wet vent system and be conventionally vented. (Sections 908.4.2 and 908.4.3 remain unchanged.)					

NA	Ch 16	Gray water systems Part I (Sections 1601-1612)	The provisions for gray water systems have been moved from App G to the main body of the code, along with the provisions for reclaimed water systems. The gray water portion conflict with the DOH/DOE requirements	**New amendment:** (see below)	
Chapter 16, Part I, Gray water systems, is not adopted.					